Title (en)
   Decoder for SB6B code.

Title (de)
   Dekodierer für SB6B-Kode.

Title (fr)
   Decodeur pour code 5B6B.

Publication
   EP 0484946 A2 19920513 (EN)

Application
   EP 91118997 A 19911107

Priority
   • JP 5497791 A 19910319
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Abstract (en)
   A circuit for inversely converting the signal of six bits converted by the 5B6B coding rule conversion method in the digital transmission into the
   original signal of five bits is described. On the occasion of inversely converting the 6-bit signal to the original 5-bit signal, the mark rate of the 6-bit
   signal to be converted inversely is detected in accordance with the 5B6B coding rule conversion pattern. In this case, all patterns of six bits are not
   detected but such six bits are divided (1a, 1b) into the upper three bits and lower three bits and the mark rates of six bits are detected (2) from the
   patterns of upper three bits and lower three bits. Thereby, a number of detected patterns can be reduced and simplification of circuit structure can
   also be realized. <IMAGE>

IPC 1-7
   H04L 25/49

IPC 8 full level
   H04L 25/49 (2006.01)

CPC (source: EP US)
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Cited by
   US5335019A; EP0886407A3; US5357278A

Designated contracting state (EPC)
   DE FR GB SE

DOCDB simple family (publication)
   EP 0484946 A2 19920513; **EP 0484946 A3 19930519**; **EP 0484946 B1 19980923**; DE 69130249 D1 19981029; DE 69130249 T2 19990512;
   US 5293165 A 19940308

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   EP 91118997 A 19911107; DE 69130249 T 19911107; US 78786491 A 19911105